

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628921

Luminaire Tested: GWS-SA1A-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2425.2 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

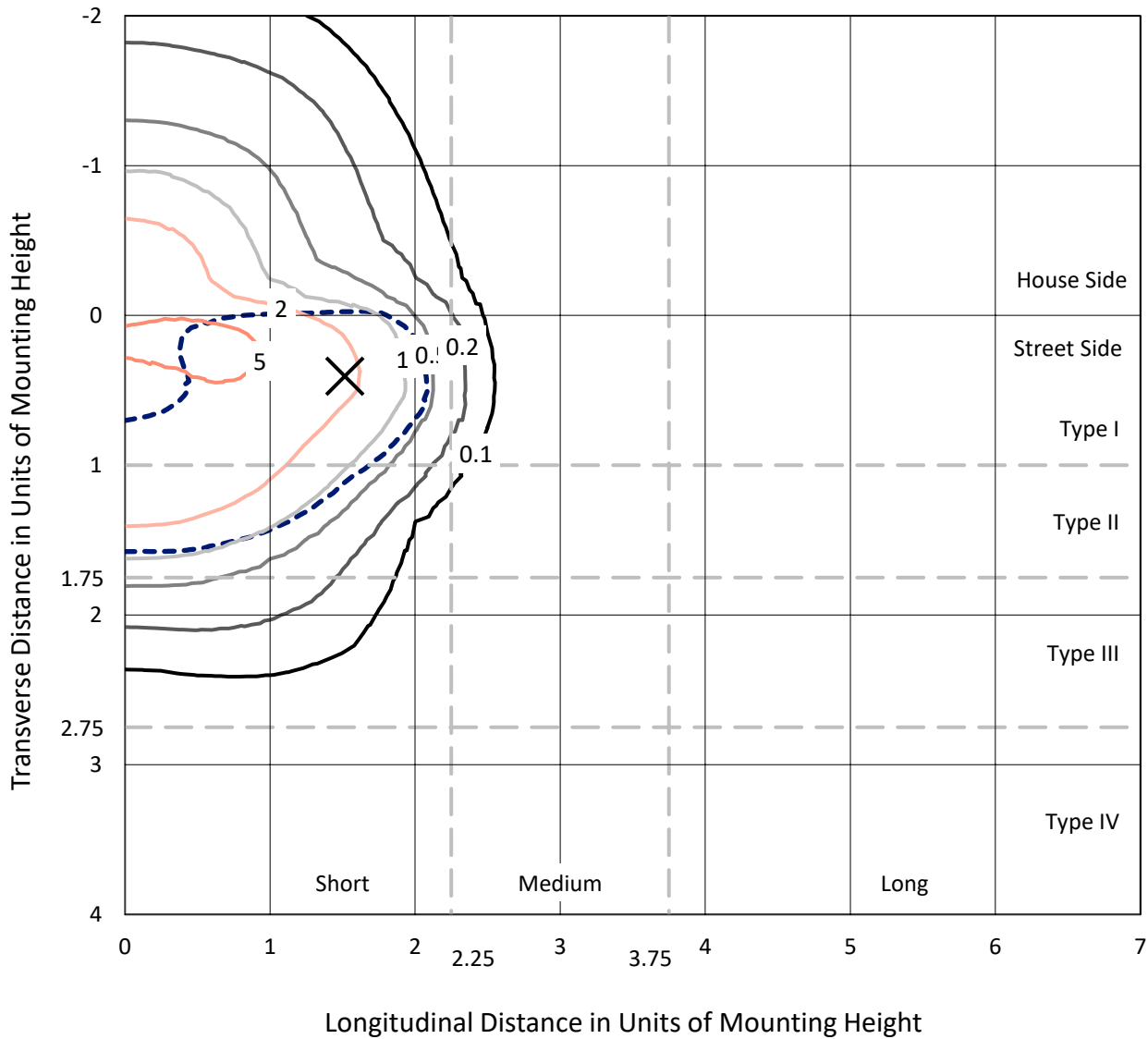
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

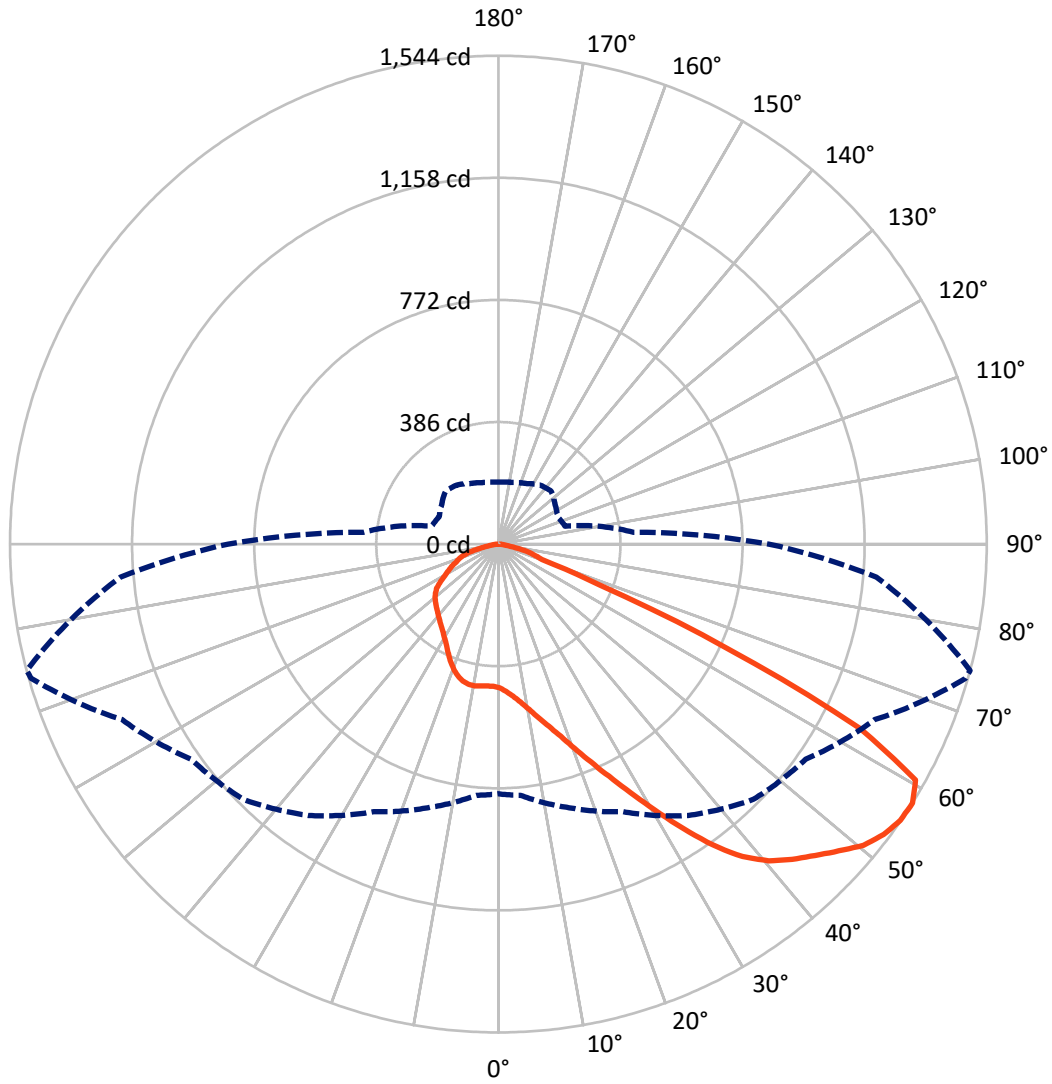
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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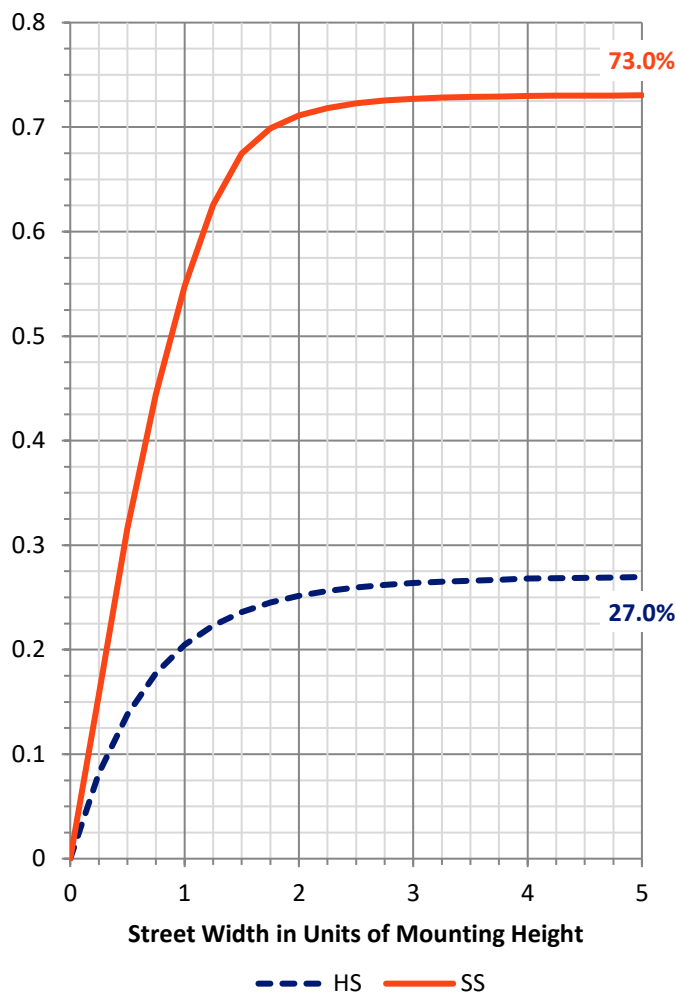
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	656.1	0.0	656.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	1769.1	0.0	1769.1
	% Fixture	72.9	0.0	72.9
Total	Lumens	2425.2	0.0	2425.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.9
10°-20°	144.7	6.0
20°-30°	256.6	10.6
30°-40°	392.8	16.2
40°-50°	547.0	22.6
50°-60°	626.8	25.8
60°-70°	322.0	13.3
70°-80°	81.1	3.3
80°-90°	8.7	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2425.2	100.0
0°-180°	2425.2	100.0

Coefficient of Utilization

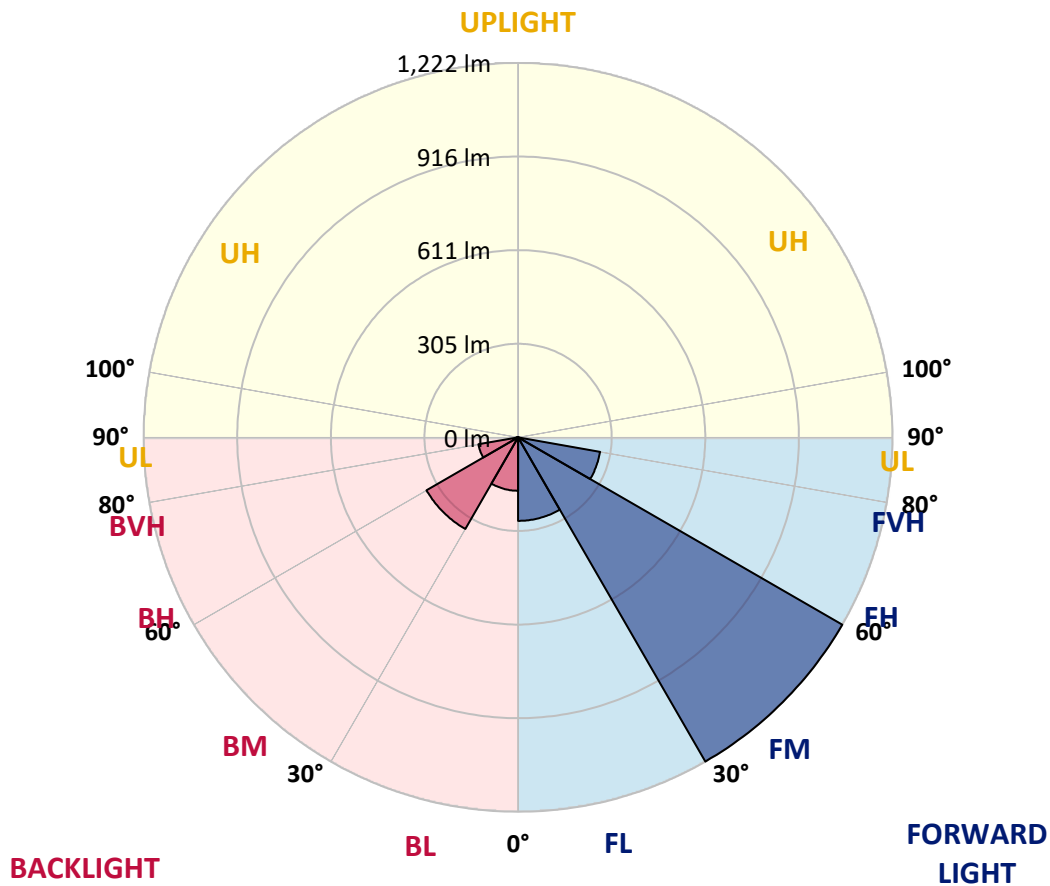


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.5	11.2			
FM (30°-60°)	1221.6	50.4			
FH (60°-80°)	271.8	11.2			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	174.3	7.2	B1/500		
BM (30°-60°)	345.0	14.2	B1/1000		
BH (60°-80°)	131.3	5.4	B1/500		G1/500
BVH (80°-90°)	5.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2
2.5°	488.0	489.2	488.0	490.0	485.9	484.0	479.4	472.5	467.1	466.3	460.2
5°	525.9	528.6	527.0	526.1	520.5	516.3	509.4	495.7	484.4	482.8	470.9
7.5°	550.3	552.2	552.2	552.8	550.7	545.9	538.6	522.4	506.5	504.0	486.1
10°	558.4	559.9	562.6	567.8	572.0	573.5	568.7	553.0	533.6	531.1	506.1
12.5°	560.3	562.0	566.2	575.8	587.2	597.7	598.5	587.0	565.3	562.6	529.3
15°	563.9	565.5	571.2	583.1	599.9	620.0	632.3	624.3	600.4	597.4	555.5
17.5°	563.5	565.3	573.7	589.5	612.2	641.2	665.0	668.3	643.5	638.5	585.3
20°	562.4	564.1	573.0	592.4	620.6	660.4	703.4	720.7	694.0	689.4	620.2
22.5°	570.8	572.6	579.5	595.6	625.0	675.2	738.8	780.5	753.8	747.4	660.2
25°	589.5	592.2	596.4	607.5	632.9	688.4	775.1	848.3	821.0	813.3	703.8
27.5°	618.5	621.8	627.7	632.9	650.6	705.0	811.2	924.2	896.9	888.8	749.9
30°	654.0	658.3	665.8	669.4	681.5	729.7	850.4	1002.4	986.6	975.3	801.8
32.5°	703.0	709.0	716.1	717.1	724.4	767.0	889.2	1080.0	1079.8	1071.9	860.8
35°	766.8	773.2	774.7	776.2	779.7	818.3	936.1	1150.7	1178.0	1168.8	925.0
37.5°	836.4	845.8	848.1	841.6	846.6	880.0	988.9	1207.4	1263.5	1253.7	987.2
40°	910.9	914.6	920.9	910.7	916.9	950.7	1040.6	1243.7	1327.3	1316.9	1036.2
42.5°	964.2	971.1	980.5	976.8	980.3	1011.2	1076.9	1261.2	1372.8	1362.3	1071.4
45°	1022.2	1024.3	1030.4	1029.5	1031.6	1060.4	1102.9	1268.9	1413.4	1404.0	1101.5
47.5°	1072.7	1075.8	1079.8	1075.2	1070.6	1089.4	1124.2	1275.6	1460.3	1449.1	1133.0
50°	1121.3	1124.0	1128.8	1115.4	1098.3	1103.1	1134.6	1284.8	1504.3	1496.4	1157.8
52.5°	1130.2	1133.2	1155.7	1158.4	1136.5	1119.6	1153.0	1305.0	1530.2	1525.2	1166.7
55°	1017.4	1022.6	1067.5	1119.0	1173.0	1167.6	1182.4	1315.6	1540.4	1541.7	1182.8
57.5°	789.7	797.2	862.7	933.4	1047.0	1141.1	1186.1	1312.9	1536.9	1543.8	1199.3
60°	518.0	522.4	599.9	679.2	797.0	927.1	1061.6	1264.1	1505.4	1515.2	1195.1
62.5°	312.8	317.8	380.2	440.2	509.7	596.6	720.1	1016.0	1261.8	1283.7	957.2
65°	218.3	225.0	279.6	329.1	353.0	335.1	364.7	567.4	786.2	795.3	584.9
67.5°	158.3	162.9	207.7	266.5	293.0	236.7	180.4	251.3	342.4	345.7	241.3
70°	103.6	108.9	149.5	202.9	239.2	191.8	134.9	136.0	144.1	145.8	140.1
72.5°	56.9	60.1	92.4	134.7	141.4	114.7	105.3	113.0	118.7	118.7	120.1
75°	29.4	32.1	37.7	44.4	53.6	62.8	75.9	87.4	93.4	93.8	93.2
77.5°	15.0	16.1	20.2	21.9	24.0	27.9	36.3	46.5	51.9	54.0	53.6
80°	7.1	7.5	8.5	10.0	12.3	15.6	19.6	23.4	26.7	27.1	29.4
82.5°	3.8	4.2	4.6	5.4	6.7	8.3	11.5	13.8	15.8	16.3	18.1
85°	1.5	1.7	1.9	2.1	2.9	3.5	4.8	6.5	7.9	7.9	9.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	1.0	1.5	1.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2	454.2
2.5°	458.8	452.7	450.0	445.6	442.1	438.1	435.0	432.7	431.2	430.4	429.6
5°	466.3	457.1	449.8	441.0	435.0	429.2	424.4	421.0	419.4	418.1	417.3
7.5°	478.0	465.7	451.9	438.3	427.7	418.3	412.3	408.7	406.4	405.6	405.0
10°	494.0	476.9	454.2	432.7	416.9	406.6	402.5	400.8	401.0	400.6	400.4
12.5°	512.2	488.8	453.6	422.7	405.2	399.1	399.3	402.0	405.2	406.0	406.2
15°	531.8	500.5	447.5	409.8	396.0	396.6	402.0	408.5	414.4	416.6	417.1
17.5°	553.0	510.3	436.5	395.6	388.5	395.2	405.2	415.8	424.4	428.1	429.2
20°	576.8	518.6	420.8	381.6	381.4	392.5	407.1	421.0	431.9	436.9	437.7
22.5°	602.0	523.8	401.6	368.7	374.1	388.9	405.6	420.2	431.7	436.7	437.7
25°	627.5	525.5	380.6	356.8	366.6	383.3	398.5	410.2	421.0	425.4	426.2
27.5°	651.2	520.7	360.6	346.6	359.7	374.9	385.2	391.4	398.9	402.3	402.9
30°	675.4	511.1	343.7	338.4	352.0	363.5	368.1	368.5	371.4	371.4	371.8
32.5°	699.8	496.9	328.9	330.5	342.4	349.9	350.5	345.7	342.2	336.4	336.2
35°	728.0	482.5	316.8	321.6	331.1	335.7	333.9	324.7	316.1	306.5	306.1
37.5°	754.1	467.7	306.5	312.4	318.4	321.8	317.4	306.3	299.2	289.4	288.0
40°	775.5	454.4	296.7	302.8	305.7	308.6	301.5	292.6	293.6	288.2	288.0
42.5°	788.0	441.5	287.6	292.2	294.0	296.1	289.9	283.2	288.8	284.6	284.9
45°	797.2	430.2	279.2	280.9	285.5	288.6	282.8	275.3	276.5	260.5	256.7
47.5°	807.6	423.9	271.3	269.6	277.8	283.2	274.2	263.4	255.9	240.0	238.6
50°	818.7	421.7	263.0	258.4	268.2	273.4	263.0	249.4	239.6	231.1	230.2
52.5°	822.4	421.4	252.5	244.8	254.6	261.9	253.2	239.4	227.7	219.4	219.0
55°	837.3	427.5	239.2	226.3	235.4	250.4	244.0	224.2	214.8	211.0	210.6
57.5°	854.6	428.5	218.1	206.0	218.7	236.5	228.3	211.2	201.0	196.4	196.0
60°	847.5	402.9	195.6	190.6	204.6	223.3	215.8	201.0	189.1	184.8	184.3
62.5°	845.8	284.4	179.1	177.3	189.3	204.4	202.9	187.5	176.2	173.1	172.7
65°	888.5	199.8	163.3	163.1	171.6	186.0	187.9	175.4	163.5	159.1	159.1
67.5°	192.1	152.9	145.3	144.3	149.7	159.9	167.9	157.6	147.6	143.5	142.8
70°	135.8	134.7	132.2	129.3	130.3	134.5	137.8	129.3	118.7	114.5	113.6
72.5°	117.4	117.6	115.9	113.6	112.8	109.9	107.0	100.7	94.3	89.9	90.3
75°	91.1	91.5	92.6	91.8	89.5	86.3	83.2	75.3	70.1	65.9	65.1
77.5°	53.2	55.3	58.6	57.8	58.2	53.8	52.5	44.8	40.0	37.1	36.5
80°	30.0	31.3	32.7	33.8	32.5	30.7	27.9	23.8	22.3	20.2	19.8
82.5°	18.1	19.4	20.0	20.9	20.4	17.9	15.8	13.1	11.9	10.8	10.6
85°	9.2	10.0	10.6	11.1	9.8	8.1	7.3	5.8	5.0	4.4	4.4
87.5°	2.3	2.5	2.9	2.5	2.3	1.0	0.8	0.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)